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10662 U.S. PTO

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PTO/SB/05 (4/98)
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No.

First Inventor or Application Identifier

Title

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages **10**]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **5**]
4. Oath or Declaration [Total Pages **1**]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 16 completed)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

* NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Copy
 - b. ☐ Paper Copy (identical to computer copy)
 - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. ☐ Assignment Papers (cover sheet & document(s))
8. ☐ 37 C.F.R. § 3.73(b) Statement of Power of Attorney (when there is an assignee)
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
13. ☒ * Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)
14. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
15. ☐ Other: _____

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____

Prior application information: Examiner _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

Name	Stephen L. Pollard				
Address	2770 3 Ortega #14				
City	San Juan Capistrano	State	CA	Zip Code	92675
Country	U.S.A.	Telephone		Fax	

Name (Print/Type)	Stephen L. Pollard	Signature No. (Attorney/Agent)	
Signature	Stephen L. Pollard		

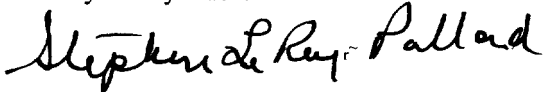
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Note to the Examiner

I am a 76-year-old handicapped veteran who is clinically blind. This visor is the result of my efforts to improve my own vision and the vision of others. It has been thoroughly checked out by a reconstruction surgeon, a noted ophthalmologist. The Doctor of Ophthalmology persuaded me to perfect this item. There is a great need for this product. I live on a fixed disability income so I didn't have the money to hire an attorney to help me with this but I am following the instructions in a book and will try very hard to do it all right.

I have written a claim as best I can but understand you might be willing to also write one for me if you feel I have missed anything important. If this is true, I would appreciate it if you would do that for me.

Thank you very much.

A handwritten signature in cursive script that reads "Stephen Le Roy Pollard". The signature is written in dark ink and is positioned above the printed name.

Stephen Le Roy Pollard

**STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) & 1.27(b))--INDEPENDENT INVENTOR**

Docket Number (Optional)

Applicant, Patentee, or Identifier: Stephen L. Pollard

Application or Patent No.: _____

Filed or Issued: _____

Title: The Comfort Optics Visor

As a below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in:

- ☒ the specification filed herewith with title as listed above.
☒ the application identified above.
☐ the patent identified above.

I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- ☒ No such person, concern, or organization exists.
☐ Each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

^{LEROY}
Stephen L. Pollard
NAME OF INVENTOR

NAME OF INVENTOR

NAME OF INVENTOR

Stephen L. Pollard
Signature of inventor

Signature of inventor

Aug. 28 1999
Date

Date

Date

Description of Invention

The following describes the drawings of my invention fully.

Figure 1. the top view of the headband, shows an expansion loop (right on top of band). The fastener that allows adjustment and secures the visor to the headband, and the expansion loop. This part is adjustable so it will fit the patient's requirements.

Figure 2. the front view of the headband, shows four attached bands that achieve perfect optical alignment. (fasteners in front).

Figure 3. the side view of the headband, shows a fastener that allows adjustment and secures the visor to the headband, the attached bands and the expansion loop.

Figure 4, the front view of the visor, shows the visor's elongated mounting ports to accommodate either fixed, adjustable mechanical or electronic monoculars. The elongated parts allow for adjustment to the patient's center distance.

Figure 5, the side view of the visor, shows an elongated bracket in the front. This bracket is elongated to allow for proper adjustment alleviation of any cantilever effect from heavy monoculars. It maintains stability.

Figure 6, the front view of the alignment adjuster, shows a fixture that is temporarily attached to the visor, allowing the patient to independently adjust each monocular to achieve the maximum vision the patient can obtain. It is used to rotate the monocular to achieve superimposure using roof-top prismatic monocular. When alignment is achieved, the fixture is removed.

Figure 7, the front view of the alignment clamp, shows a clamp that is attached to the monocular, while being held in place by Figure 6, to maintain alignment. If patients center vision is lost, the peripheral vision can be superimposed over the primary vision.

Figure 8, the top and side views of the beveled adjuster, shows a bevel that converts a view visor into a reading visor. The splines maintain the correct angularity for reading.

This is a utility claim not a design claim.

Everything herein has been reduced to practice.

How the Invention Works

When pressure is applied to the expansion loop, the headband expands. The pressure may be applied by hand or a surgeon's arm or by another person (a caretaker for a disabled person, e.g.). When the pressure is released, the headband contracts and the (2) two bands on either side of the head align the visor optically the same way every time. No further adjustment need be made for perfect optical alignment.

My application for a patent concerns the expansion loop, which is totally new. Headbands and visors have been made for a long time. Many brands already exist and my invention does not effect those already existing patents. I have developed a unique concept for an expansion loop that provides optical alignment every time pressure on it is removed and replaced.

The following claims apply to my invention.

Figure 1. the top view of the headband, shows an expansion loop (right on top of band). The fastener that allows adjustment and secures the visor to the headband, and the expansion loop. This pat is adjustable so it will fit the patient's requirements.

Figure 2. the front view of the headband, shows four attached bands that achieve perfect optical alignment. (fasteners in front).

Figure 3. the side view of the headband, shows a fastener that allows adjustment and secures the visor to the headband, the attached bands and the expansion loop.

Figure 4, the front view of the visor, shows the visor's elongated mounting parts to accommodate either fixed, adjustable mechanical or electronic manoculars. The elongated parts allow for adjustment to the patient's center distance.

Figure 5, the side view of the visor, shows an elongated bracket in the front. This bracket is elongated to allow for proper adjustment alieviation of any cantilever effect from heavy manoculars. It maintains stability.

Parts List

1. Expansion Loop
2. Fastener
3. Attached Bands
4. Elongated Mounting Parts
5. Bracket
6. Alignment Adjuster
7. Alignment Clamp
8. Beveled Adjuster

Figure 1

Top View of Headband

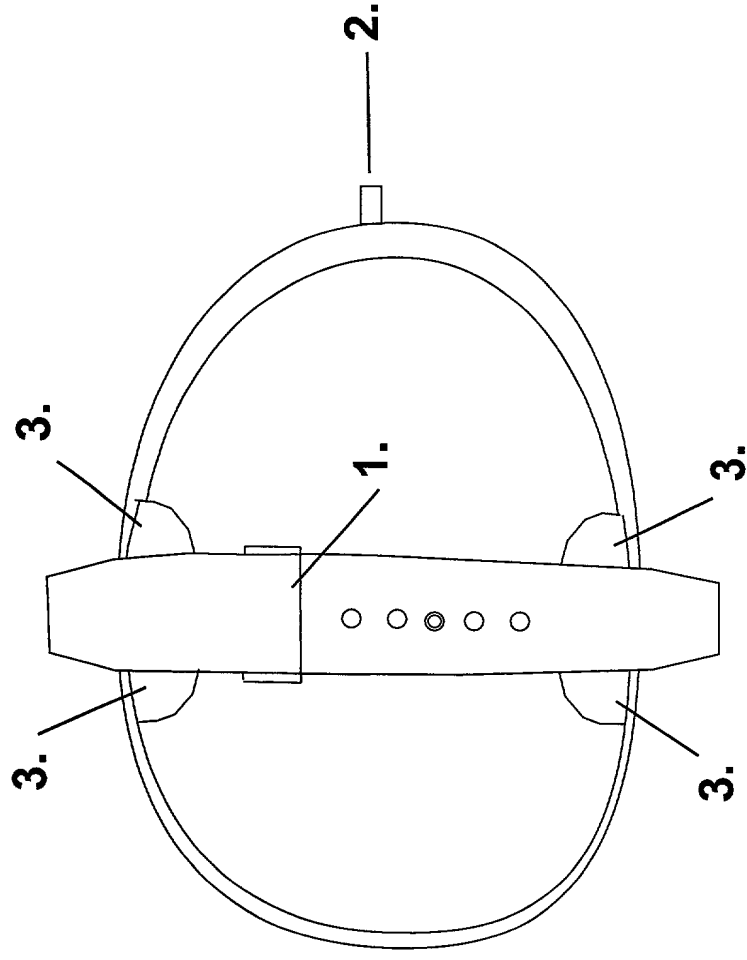


Figure 2

Front View of Headband

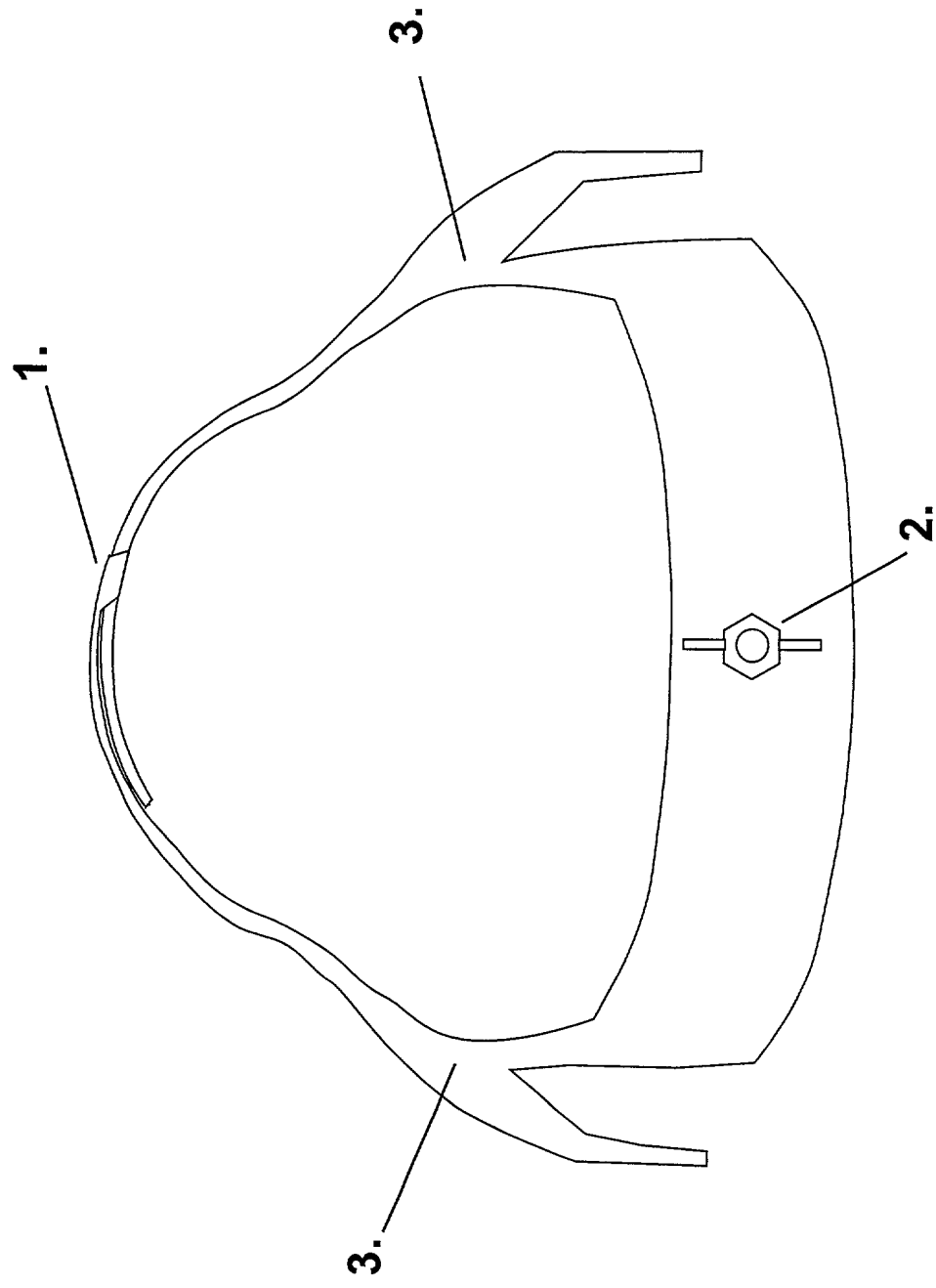


Figure 3

Side View of Headband

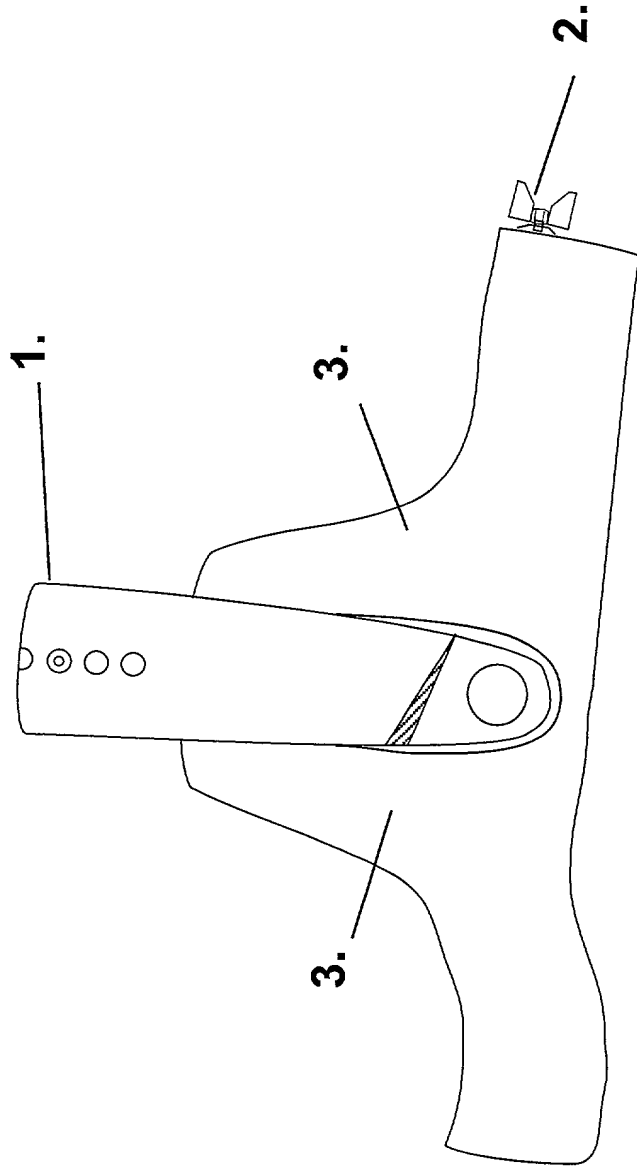


Figure 4

Front View of Visor

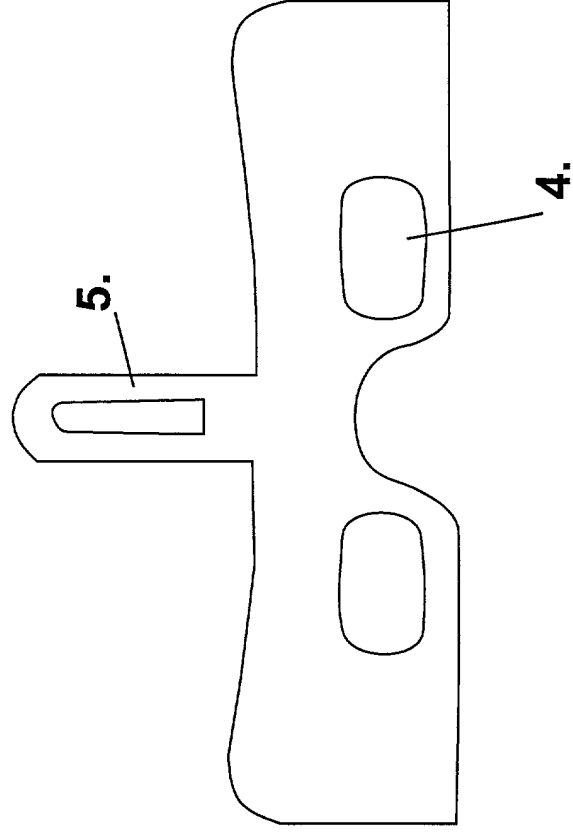


Figure 5

Side View of Visor

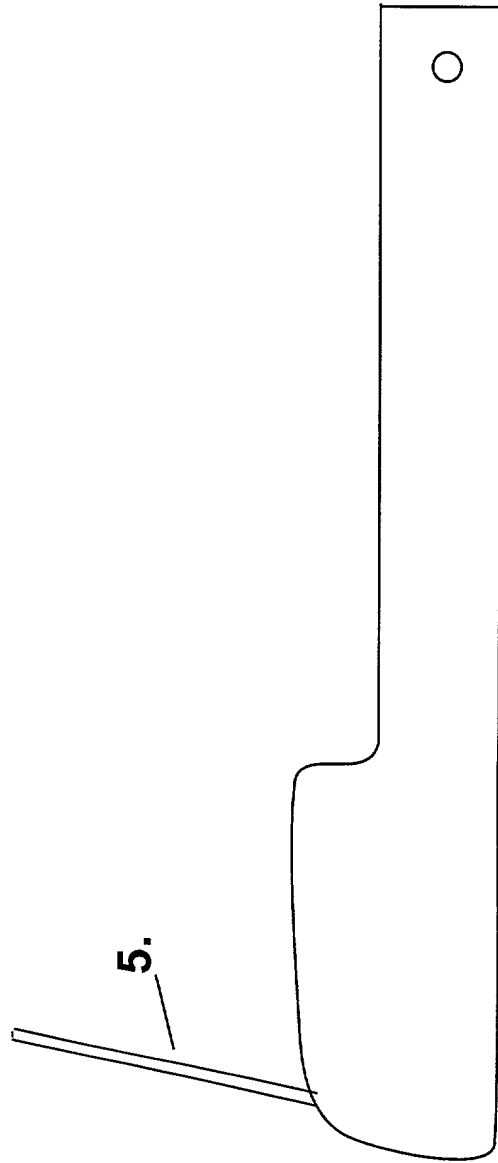


Figure 7
Front View of Alignment Clamp

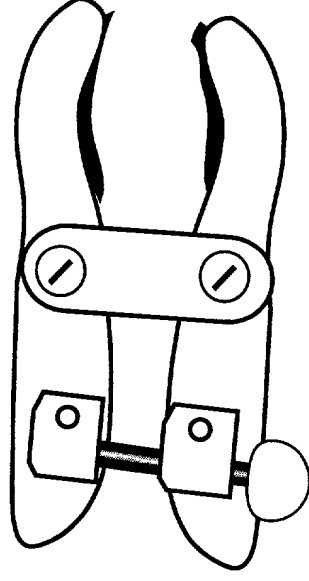
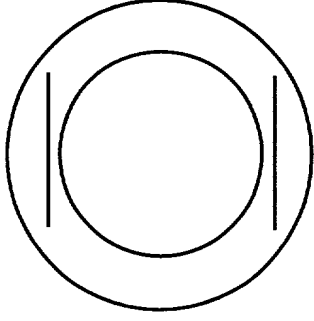
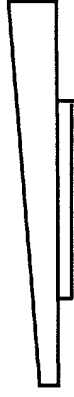



Figure 8
Top View of Beveled Adjuster



Side View of Beveled Adjuster



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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing **OR** ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number

First Named Inventor

COMPLETE IF KNOWN

Application Number

Filing Date

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

The Comfort Optics Visor

the specification of which

(Title of the Invention)

☒ is attached hereto
OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

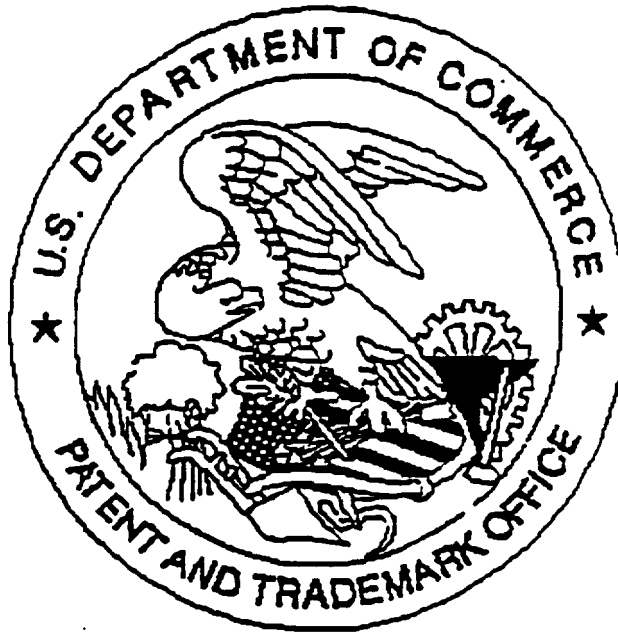
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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